

WHAT IS CLAIMED IS:(US)

1. A display device substrate, comprising:
one or more pixel electrodes each of which is provided on each intersection of a signal line and a scanning line that are provided on an insulating substrate; and
an interlayer insulating film stacked between the signal line and the pixel electrode, wherein
in view of a vertical direction with respect to a surface of the insulating substrate, the signal line is provided on an area on which the pixel electrode is not provided, and a gap is provided between the signal line and the pixel electrode.
2. The display device substrate as set forth in claim 1, wherein in view of the vertical direction with respect to the surface of the insulating substrate, (i) a surface of the signal line and (ii) the gap between the signal line and the pixel electrode are covered by a light shielding film.
3. The display device substrate as set forth in claim 2, wherein the light shielding film is made of resin having an insulating property.
4. The display device substrate as set forth in claim 1, further comprising:

an active element provided on each intersection of the signal line and the scanning line;

a light shielding film provided so as to cover at least a surface of the signal line among the signal line, the active element, and the scanning line, wherein

in view of the vertical direction with respect to the surface of the insulating substrate, a gap between the pixel electrodes which are adjacent to each other with the signal line therebetween is covered by the light shielding film.

5. The display device substrate as set forth in claim 4, wherein the light shielding film is made of resin having an insulating property.

6. The display device substrate as set forth in claim 1, further comprising:

an active element provided on each intersection of the signal line and the scanning line; and

a light shielding film provided so as to cover at least a surface of the signal line among the signal line, the active element, and the scanning line, wherein

in view of the vertical direction with respect to the surface of the insulating substrate, (i) the light shielding film which covers the surface of the signal line film and (ii) the pixel electrode overlap with each other.

7. The display device substrate as set forth in claim 6, wherein the light shielding film is made of resin having an insulating property.

8. The display device substrate as set forth in claim 1, further comprising:

an active element provided on each intersection of the signal line and the scanning line;

a contact hole for allowing the active element and the pixel electrode to be in contact with each other; and

a light shielding film provided so as to cover surfaces of the active element, the signal line, and the scanning line, wherein

in view of the vertical direction with respect to the surface of the insulating substrate, (i) the light shielding film which covers the surface of the signal line film and (ii) the pixel electrode overlap with each other.

9. The display device substrate as set forth in claim 8, wherein the light shielding film is made of resin having an insulating property.

10. The display device substrate as set forth in claim 1, further comprising:

an active element provided on each intersection of the signal line and the scanning line;

a contact hole for allowing the active element and the pixel electrode to be in contact with each other; and

a light shielding film provided so as to cover at least a surface of the signal line among the signal line, the active element, and the scanning line, wherein:

the interlayer insulating film is a stacking body made of two or more layers, and

the light shielding film is stacked between an uppermost layer and a lowermost layer that constitute the interlayer insulating film, and

in view of the vertical direction with respect to the surface of the insulating substrate, a gap between the pixel electrodes which are adjacent to each other with the signal line therebetween is covered by the light shielding film.

11. The display device substrate as set forth in claim 10, wherein the light shielding film is made of resin having an insulating property.

12. The display device substrate as set forth in claim 10, wherein the light shielding film is made of metal.

13. The display device substrate as set forth in claim

1, further comprising:

an active element provided on each intersection of the signal line and the scanning line;

a contact hole for allowing the active element and the pixel electrode to be in contact with each other; and

a light shielding film provided so as to cover at least a surface of the signal line among the signal line, the active element, and the scanning line, wherein:

the interlayer insulating film is a stacking body made of two or more layers, and

the light shielding film is stacked between an uppermost layer and a lowermost layer that constitute the interlayer insulating film, and

in view of the vertical direction with respect to the surface of the insulating substrate, (i) the light shielding film which covers the surface of the signal line film and (ii) the pixel electrode overlap with each other.

14. The display device substrate as set forth in claim 13, wherein the light shielding film is made of resin having an insulating property.

15. The display device substrate as set forth in claim 13, wherein the light shielding film is made of metal.

16. The display device substrate as set forth in claim 1, further comprising:

an active element provided on each intersection of the signal line and the scanning line;

a contact hole for allowing the active element and the pixel electrode to be in contact with each other; and

a light shielding film provided so as to cover surfaces of the active element, the signal line, and the scanning line, wherein:

the interlayer insulating film is a stacking body made of two or more layers, and

the light shielding film is stacked between an uppermost layer and a lowermost layer that constitute the interlayer insulating film, and

in view of the vertical direction with respect to the surface of the insulating substrate, (i) the light shielding film which covers the surface of the signal line film and (ii) the pixel electrode overlap with each other.

17. The display device substrate as set forth in claim 16, wherein the light shielding film is made of resin having an insulating property.

18. The display device substrate as set forth in claim 16, wherein the light shielding film is made of metal.

19. The display device substrate as set forth in claim 1, wherein the gap is set to be within a range of from not less than $1\mu\text{m}$ to not more than $20\mu\text{m}$.

20. A liquid crystal display device, comprising the display device substrate as set forth in claim 1.